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DERWENT-ACC-NO: 1986-156589

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TITLE: Coloured magnetic toner useful in electrostatic photocopier or printer -
contg. flaky magnetic material, giving high colour saturation

INVENTOR: BUXBAUM, G; WEISE, J

PATENT-ASSIGNEE: BAYER AG (FARB)

PRIORITY-DATA: 1984DE-3444869 (December 8, 1984)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 3444869 A	June 12, 1986	N/A	016	N/A
⇒ AU 8550869 A	June 12, 1986	N/A	000	N/A
DE 3573331 G	November 2, 1989	N/A	000	N/A
EP 184714 A	June 18, 1986	G	000	N/A
EP 184714 B	September 27, 1989	G	000	N/A
ES 8705650 A	July 16, 1987	N/A	000	N/A
JP 61138959 A	June 26, 1986	N/A	000	N/A
ZA 8509359 A	June 24, 1986	N/A	000	N/A

DESIGNATED-STATES: BE CH DE FR GB IT LI NL SE BE CH DE FR GB IT LI NL SE

CITED-DOCUMENTS:1.Jnl.Ref; A3...8738 ; FR 2472771 ; JP59015257 ; No-SR.Pub

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
DE 3444869A	December 8, 1984	1984DE-3444869	N/A
EP 184714A	November 26, 1985	1985EP-0114961	N/A
ES 8705650A	December 6, 1985	1985ES-0549664	N/A
JP61138959A	December 6, 1985	1985JP-0273526	N/A
ZA 8509359A	December 6, 1985	1985ZA-0009359	N/A

INT-CL (IPC): G03G 9/14; H01F 1/37

ABSTRACTED-PUB-NO: DE 3444869A

BASIC-ABSTRACT:

Coloured magnetic toner consists of a binder (I), colourant (II) and magnetic material (IIII). The novelty is that (III) consists of flaky particles.

Pref. (III) have the compsn. FeOx with x = 1.33-1.5, (1.4-1.5), and have a dia. of 0.5-26 microns and dia./thickness ratio of at least 5. (II) consists of strongly coloured (brilliant yellow, and/or blue) organic and/or inorg. colourant(s) and at least one white pigment with high scattering power. The toner is produced by mixing (I), (II) and (III) in mixing aggregates developing little shear.

USE/ADVANTAGE - The toner is claimed for use in electrostatic photocopier systems printers. It allows the prodn. of copies and prints with higher than usual colour saturation.

ABSTRACTED-PUB-NO: EP 184714B
EQUIVALENT-ABSTRACTS:

Coloured magnetic toner consisting of binder, colouring agent and magnetisable material consisting of platelet-shaped or scale-like magnetisable particles, characterised in that the magnetic particles have the composition FeO_x , where $1.33 < x < 1.5$ and the diameter of the platelets or scales is between 0.5 and 26 micro-m and their diameter/thickness ratio is at least 5. (6pp)

CHOSEN-DRAWING: Dwg.0/2

DERWENT-CLASS: E31 G08 P84 S06 T04
CPI-CODES: E35-U02; G06-C04; G06-G05;
EPI-CODES: S06-A04C1; S06-A11; T04-G09;